

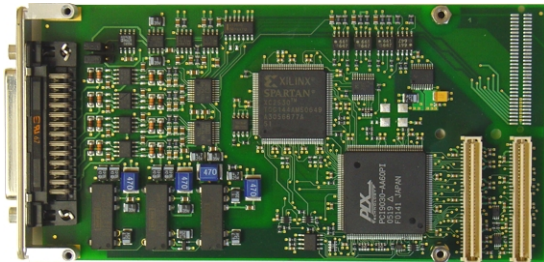
TPMC550 8/4 Channels of Isolated 12 bit D/A

Application Information

The TPMC550 is a standard single-width 32 bit PMC module and provides 8 channels of isolated 12 bit analog outputs. A 4 channel version is available as TPMC550-11. The settling time to 0.012% is 10 μ s maximum.

It supports immediate and simultaneous load. The sequencer allows periodically update of enabled channels and the sequence timer range extends from 100 μ s to 6.5s.

The programmable output voltage range is +/-10V or 0-10V selectable by jumper. An on board DC/DC converter powers the isolated DAC and the output buffer.



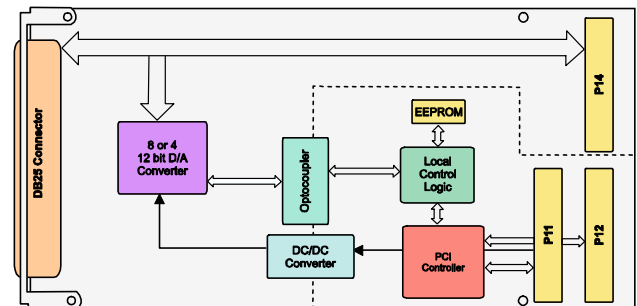
Each TPMC550 is factory calibrated. The calibration information is stored in the Identification-PROM unique to each PMC module.

For First Time Users the Engineering Documentation TPMC550-ED is recommended. The Engineering Documentation includes TPMC550-DOC, schematics and data sheets.

Software Support (TPMC550-SW-xx) is available for different operating systems.

Technical Information

- Standard single-width 32 bit PMC module conforming to IEEE P1386.1
- PCI 2.1 compliant interface
- 3.3V and 5V PCI Signaling Voltage
- Board size: 149 mm x 74 mm
- 8 or 4 channels of isolated 12 bit analog outputs
- Settling time to 0.012% is 10 μ s maximum
- Full-scale output range +/- 10V or 0-10V
- Factory calibrated, calibration information stored in EEPROM



The Embedded I/O Company

Order Information

RoHS Compliant

TPMC550-10R	8 Channels of Isolated 12 bit D/A, front panel I/O
TPMC550-11R	4 Channels of Isolated 12 bit D/A, front panel I/O
TPMC550-20R	8 Channels of Isolated 12 bit D/A, P14 I/O
TPMC550-21R	4 Channels of Isolated 12 bit D/A, P14 I/O

None RoHS Compliant

TPMC550-10	None RoHS compliant version of TPMC550-10R
TPMC550-11	None RoHS compliant version of TPMC550-11R
TPMC550-20	None RoHS compliant version of TPMC550-20R
TPMC550-21	None RoHS compliant version of TPMC550-21R

Documentation

TPMC550-DOC	User Manual
TPMC550-ED	Engineering Documentation, includes TPMC550-DOC

Software

TPMC550-SW-25	Integrity Software Support
TPMC550-SW-42	VxWorks Software Support (Legacy and VxBus-Enabled Software Support)
TPMC550-SW-65	Windows XP/XPE/2000 Software Support
TPMC550-SW-72	LynxOS Software Support
TPMC550-SW-82	LiNux Software Support
TPMC550-SW-95	QNX 6 Software Support

For other operating systems please contact TEWS.

Related Products

TA303	Cable Kit for modules with DB25 Female Connector
TPIM001	PIM I/O Module with HD50 SCSI-2 type connector